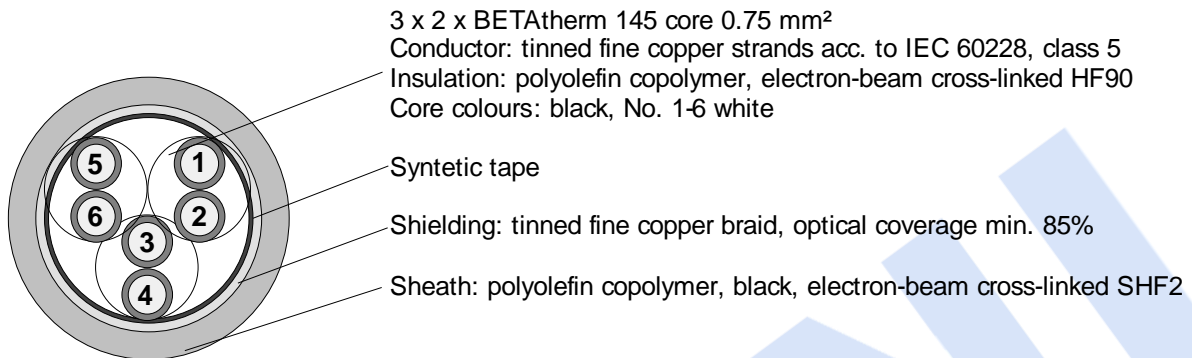


## BETAflam 145 C-flex, black

### 3 x 2 x 0.75 mm<sup>2</sup> NR

Item no.: 305842

#### Construction



#### Dimensions (approx.)

|                                 |          |
|---------------------------------|----------|
| Ø BETAtherm 145 core            | 2.20 mm  |
| Ø over core stranding           | 7.10 mm  |
| Ø over shielding (copper braid) | 7.60 mm  |
| Ø cable                         | 10.00 mm |

#### Technical data

|                            |                    |                |
|----------------------------|--------------------|----------------|
| Nominal voltage            | Uo/U               | 300/500 V      |
| Testing voltage            | core / core        | 2000 V         |
|                            | core / shielding   | 1500 V         |
| Max. conductor temperature | fixed installation | +145 °C        |
|                            | occasionally moved | +120 °C        |
| Min. ambient temperature   | fixed installation | - 55 °C        |
|                            | occasionally moved | - 35 °C        |
| Min. bending radius        | fixed installation | > 6 x cable-Ø  |
|                            | occasionally moved | > 12 x cable-Ø |
| Cable weight               |                    | ~ 139 kg/km    |

#### Fire performance and material properties

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Halogen free                          | IEC 60754-1, EN 50267-2-1            |
| No corrosive gases                    | IEC 60754-2, EN 50267-2-2            |
| No toxic gases                        | NES 02-713, NF X 70-100              |
| Low smoke density                     | IEC 61034, EN 50268-2                |
| Flame retardant                       | IEC 60332-1, EN 50265-2-1            |
| Non-flame propagating                 | IEC 60332-3, EN 50266-2, NF C 32-070 |
| Low fire load                         | DIN 51900                            |
| Cross-linked insulation compound HF90 | IEC 60092-360                        |
| Cross-linked sheathing compound SHF2  | IEC 60092-360                        |

Specifications subject to change without notice

**BETAflam 145 C-flex, black**  
**3 x 2 x 0.75 mm<sup>2</sup> NR**  
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**Standards**

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IEC 60092-376  
IEC 60092-353

**Approvals**

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